By GEORGE FITCH

sm and constitutional conventions all the southern counties, tures which make sleep during business hours impossible within its bor-

Oregon has been known ever since Messrs, Lewis & Clark, the celebrated explorer's team, discovered it in 1804. but it took half a century to find some use for it. In 1880, Oregon was a raw and unknown interior with a rim of settled country around two sides. A railroad ran along these two sides and allowed the 175,000 Oregonians a small commission on their products, after deducting freight charges. About this time, however, it was discovered that by supplying an ordinary apple tree with an irrigation ditch, a trained nurse, a masseuse, an osteopath and soft music during the spring season, the famous Oregon apple could be pro-duced. Since this discovery, Oregon, has grown rapidly and is now covered with happy agriculturists lowering red trees with derricks and shipping them ing device. Oregon people are enter-

arated from Washington by the Co- not see him.

Oregon has been a State for twenty lumbia River, which is still strongly, years, but did not work seriously at impregnated with the famous red salit until a few years ago, when it began mon which have brought more gold to have booms, expositions, progressiv- to Oregon than its placer mines in

commonwealth with 700,000 people, the mate, including perpetual snow on sev- duly authorized by the President's initiative and referendum, the recall, eral extensive mountains, perpetual signature, a new subject of much imthree rival railroad systems, 7000 real drought in its interior and perpetual; portance will come before the Terriestate agents, and many other fea- rain in the vicinity of Portland, where torial authorities in the very near fu-



apples out of their pedigreed orchard umbrellas are made without any closeast to sell in Wall Street at 5 cents prising, sociable and deeply interested in politics. Anending the constitution Oregon still consists mostly of des- is the favorite Oregon amusement, ert and forest, but is rapidly being having practically displaced baseball, conventionalized by the saw-mill and while public officials are so docile that the irrigating ditch. It abuts Califor- if a legislator wishes to smoke a cignia on the south and the Pacific Ocean arette he does so behind the woodshed on the west and is successfully sep- where the stern eye of the recall can

for the width of the road to be only as much as is necessary for the traffic with the direct tax is that the levy roads should be improved by the procept a water-bound macadam, and a den upon the indi-system of steady maintenance in or Retail Costs More. out of the road and that the enormous only a small levy would be imposed thoroughly rolled first. The next der that the full value may be got As a result of the circumstances amount of capital sunk in roads may and a small annual fund realized, so is filled, with screenings, sprinkled,

the history of roads from the time the higher."

famous Applan way of the Romans In some of the States the direct the present era of patented pave—thus making them bear the burden construction.

It branched into the matter of local conditions and gave his reasons for the excincations of the belt as much benefit but does not pay any thing. The chief claim for the direct phalt block, sheet asphalt, brick, contact of the cost of improving the roads while the city dweller reaps equally incorporated at the time of construction.

Highway surfaces are composed of the following substances: For pavements—Wood block, stone block, asphalt block, sheet asphalt, brick, contact of the cost of improving the roads while the city dweller reaps equally incorporated at the time of construction. vere better for dry, he adequate progress under it. xplained the State and system and Explains State Aid.

ing revenues for highway purposes, of population. Autos Injure Roads.

machines in use in the United States.

They are injurious to the roads as they lift loose binding into the air, where it is blown away by the wind, and it is only right that they should bear their share of the cost. Massaber their share of the cost of share the cost of building roads in Haber the cost of buildi chusetts raises a fund of \$250,000 a road; tax, the proceeds to be devoted to Annual Cost.

taxes and bond issues he states: Maintenance 500 gang should be kept going all the "More funds, however, are raised from these two sources than from any other way. These two may be The depreciation is based on the sum The lack of a systematic and persaid to be the natural methods of necessary to amount to \$5000 at the manently organized maintenance gang raising money for any form of public end of ten years, when the road needs has been the main source of trouble improvement. There are many who resurfacing. prefer a direct tax to a bond issue. Bonds. The direct tax should undoubtedly be Bond issues should be limited to England and some parts of the United adopted for the maintenance of roads original construction work. Bonds States. in all cases, but for original construct should never be issued for mainte- The prevailing idea is that once a tion I do not believe that it is most nance work, but for improvement of macadam road is built it will last for



ing local roads being built with a six- large so that a small tax levy will people buy the Star-Epitetin.

inch sub-course and with a low crown yield enough revenue to carry forward to the the sub-course and with a low crown the work as rapidly as it should be logical conclusion that only those roads instead of washing the surface away, carried, or as much each year as can that take care of the larger percent-

it will handle, for bituminous con-struction everywhere in the Island except along the Hamakua coast where, raise sufficient funds for carrying the The following points were made by owing to the weather conditions it is work would be too large and would Bishop during the course of his talk: impossible to put down anything eximpose too great an immediate burthe macadam road of today is made
as follows: The first course is laid of

not be thrown away, and the adoption that only a few miles of road could be improved each year. The smaller the State aid system. Engineer be improved each year. The smaller the mileage improved annually the mileage improved annually the greater will be the cost per unit; it sary. It is found that there is no need that it costs at the Board of Trade rooms on Tuesis a well known fact that it costs to pack this hottom course carefully.

day night before a fair crowd.

Eishop went fato the matter of by the wholesale. One reason for this popular in the past, automobile traffic is that contractors cannot afford to has revolutionized ideas in the East, talk being illustrated by diagrams equip themselves properly for hand- although it will be some time before that belied the audience to grasp the ling the smaller contracts without Hawaii feels the effect of it. Some

tent it and Jan answered all disch build Beshop outli on what was exactly surface treatment, the penetration meant by this method: The usoner is raised by state bonds Bishop considers the best. speaking of the Lethoda new in sell a expected through a state de- Light Oil Valueless. vecne for raising money for road partners. The roads are crassified Unless it is an oil like that which outding purpose Wishop quoted into three kinds estate ropus, county co from an article to the "Bood Roads roads and town roads. The engineers in favor of putting down "light" oil-Magazine." It is written by L. E. in the state department plan and build surface. The tars are falling out of Buykin, an expert, and a synopsis the main thoroughtares of the state use and the heavy and medium asat no cost to the counties. These phaltic oils are making a rapid rise.

was very common in the United States control over the streets of the cities than the general average throughout twenty years ago. It consisted of and towns proper. At the same time the Union. Bishop does not think Hapaying the taxes by personal labor the county government can receive waii wants wide roads for many years, instead of with money. The private state ald if it is wanted. The state but has made provision in his plans subscription method has never been insists that the countles build the in case they are needed so that the popular, owing to the fact that the roads—the advice of the state engin- road can be widened without affecting building and care of public roads is a public function. Ten States have the abutting property system in use in some form or another and the owners pay up without any protest. It has been successful wherever it has s been successful wherever it has this method the great burden on the crown. counties is lessened.

to the matter of nothing is taken away. In our own fic is liable to concentrate on the cer

Interest \$ 600 a foolish waste of money. Macadam is

Now that the Kau ditch bill has at the same time. It is now a massive. Oregon has a large variety of cli- been passed and the big improvement ture, when the promoters present a proposition to the government as the basis of a request for the necessary water license.

As the flow through the proposed ditch will come from a high elevation on the Hilo side of Hawaii, the promoters and the Territory must reach an agreement as to the amount of water that can be taken, leaving a sufficient supply to insure the protec-tion of the residents on the Hilo side. The amount of compensation, the license fee and a number of questions of similar character must be de-

The promoters are expected to pre-sent a proposition, setting forth the situation and their demands, in a very

GOVERNOR WILL BAR

AFTERNOON CALLERS "No afternoon callers" for the text three or four weeks, is the edict issued today by Governor Frear. Burdened by the stress of many important conferences with Territorial officlais on matters of importance, and

by the vast amount of labor to be done in preparing his annual report, the executive today decided that his afternoons must be given over to these without interruption.

Hereafter, probably until September
persons desiring to visit the Governor on social or even official business. must make their appointments for the morning hours, and it is likely that none will be admitted to his chambers

after the noon hour unless called by

struction has jumped into favor. This was built in Engiand right down to taxation is against the farmers only, is usually incorporated at the time of

bound macadem was necessary for tax is that it enables you to pay as crete and bitulithic. For roads—wet districts and why bituminous you go, provided you are able to make Earth, sand-clay, gravel, mndadem. lwelt upon the bounding to be derived. Coming down to the matter of state minous. The latter may be made by

There are seven methods of rais roads are such as connect the centers The character of the Hawaii belt

states Boykin: statute labor, private subscriptions, assessments upon abut ting property, automobile licenses, direct taxation and bond issue and from the county. The latter's share funds there is nothing fancy about it, State aid. The statute labor method is based on the assessed valuation. but it is serviceable and should be is fast going out of use although it. The state has absolutely no direct durable. Its width, 16 feet, is more

Favors Low Crown.

automobiles and the tax on them he case the Territory would issue bonds ter of the road. On a low crowned says that in 1912 there were 440,000 and the counties would be charged back road the traffic spreads and the wear

go to pieces otherwise, and this is only C ming to the matter of direct Depreciation 417 very perishable and a maintenance time and should take charge as soon

> \$1.517 as the contractor has finished. with roads on Hawaii. Such systems are in vogue in Europe, France and

to be preferred, except in those coun- main highways only. It is therefore a all time. This is a great fallacy.



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Two Performances Nightly

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